OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/653,182

DATE: 03/20/2000 TIME: 17:39:53

ENTERED

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4 110 - APPLICANT: Paul D. Robbins
                                            Chibao Mi
                                            Raymond Fritsell
                  Ú
                                            Joseph C. Glantoso
                 8
                                            Andrea Cambbitto
                10 - 100 - 11118 OF INVENTION: HENRIFICATION OF PERTIES THAT FACILITATE
                11
                                           UPIAKE AND CYTOPLASMIC AND/OF NUCLEAR TRANSPORT
                12 OF PROTEINS: INA AND VIRUSES 15 - 130 - FILE REFERENCE: AP325 3-A-A
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/653,182
C--> 17 <141> CURRENT FILING DATE: 2000-08-31
               17 :1500 PRIOR APPLICATION NUMBER: ENVISE 980
18 | 151 PRIOR FILING DATE: 1969-09-61
20 :150 PRIOR APPLICATION NUMBER: E07188.941
               21 131 - PRIOR FILING DATE: 20(0-03-15)
23 -160 - NUMBER OF SEQ ID NOS: 35
                Po 170 SOFTWARE: Fast NEO for Windows Version 4.0
               28 | 211% THINGTH: 12
25% | 212% TYPE: PRT
                 x7 - 21 so "PGANISM: Aitificial requence.
                 12 - 220 - FEATURE
                           EP COTHER INFORMATION: random poptide library
                 (5+100+31) \text{QUENCE}; \quad i
                           Lys And The The Cha Air The Los. For Arm Ash Ser
                39 210 - SEÇ 12 No.: 3
40 211 - LENGTH: 12
                41 212  TYPE: FR7
12 213  OPGANISM: Artificial : equence
                11 2889 FEFTURE:
15 2229 OTHER INFORMATION raidom poptide library
17 4689 SEMBLENCE: 2
                 48 Typs Ang Ile His Pro Ang Lor Ila Ang Son Ile Ang
                01 210 (SFQ ID NO)
5% 211 (LENGIE: 12)
51 21% ISPE: PET
                          213 a CHGANISM: Wettitedal coglesce
                          The FrainbE
                           End . THER INFORMATION, raid of poptide library
                            Tell - File Strait - B
               M. Pro Nic And Low of a Low Are Gird Similar Sam Met
              63 ...

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PATENT APPLICATION: US/09/653,182

DATE: 09/20/2000 TIME: 1 :19:53

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es 213 - PGANISM: Artificial Sequence
10 120 FEATURE:
21 223 OTHER INFORMATION: random poptide lifetary
15 150 SEQUENCE: 1
14 Pro The Arg Arg Arg Lys Lys Leu Arg Arg Leu Lys
7: 210 - SEQ 18 No: 5
78 211 - LENGTH: 12
79 212 - LYPE: PET
5, 214 - PS7NISH Artificial Sequence
82 220 - FEATURE:
6* 223 OTHER INFORMATION: random peptide library
80 100 SEQUENCE: 0
En Aig Aig Glim Aig Aig Thr Der Lys Leu Met Lys Arg
89 210 - SFQ (D NO); 6
90 211 - LENGIH: 12
91 2.2 - TYPE: PRT
92 213 - ORGANISM: Artificial Sequence
91 2202 FEATURE:
95 2232 OTHER INFORMATION: random peptide library
9" -100 - SEQUINCE: 6
98 Mot His Eys And Pro for The Pro Sor Arg Lys Met
34
151 - 210 - SEQ ID NO.
102 - 211 - LENGTH: 12
153 - 212 - TYPE: 1PI
104 - 213 - ORGANISM: Artificial Sequence
100 230 FEATURE:
100-233 STHEE INFORMATION: random peptide library
180-406 SEQUENCE.
III. Aig Gli Arg Ser Aig Arg Arg Pro Lea Asi Ile Aig
:11 -210 SEC ID NO: 8
115 + 211 LENGTH: 12
116 + 312 TYPE: PET
     213 - GROANISH: Artificial sequence
200 FEATURE
223 - OTHER INFORMATION: random peptido librar:
1.30
      180 - SEQUENCE: 3
      Arg The Ard Met The Gin Ash Lou He Lis Lis Thr
120 210 SEQ ID NO: 9
1. 3.1 15871H. 32
128 212 TYPES PRI
      Pite BMANISM: Armiticial Sequence
      ... De FEATURE.
... For the SISE FIRST IN COLUMN SEPERITURE TO E. C.
141
1 si hao SEQUENTIS )
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PATENT APPLICATION: US/09/653,182

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Input Set 1 A:\PTO.txt
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1th Ser and Ang Lys and Glin And Ser Ash Met And Ile
106 1 5
108 - 210 - SEQ ID NO: 19
159 - 211 - LENGTH: 12
1-0 - 212 - Titt: FFT
441 - 21 ' - ORGANISM: Artificial Sequence
147 Gin Ary IIO Ard Lys Ser Lys IIo Ser Arg Thr Lou
1.43 1
150 - 210 - SEQ ID NO: 11
10 21 LERNIH, 12
12 - 212 - TYPE, PPT
13 - 21 - CPGANISH: Artificial Sequence
1.05 \sim 2.20 \sim \text{FEATURE:}
1.6 \pm 3.28 \pm 0. \mathrm{THER} INFORMATION: random pertide library 1.8 \pm 3.00 \pm 8.800 \mathrm{FNCE} . H1
156 Pro Ser Lys Arg Leu Leu His Asn Asn Leu Arg Arg
160 1 5
162 02100 SEQ 1D NO 12
161 -21. - LENGTH: 12
165 -211 - TYPE: PRI
166 -211 - ORGANISH: Artificial Sequence
168 -227 - FFATURE:
169 -12 - OTHER INFURNATION - random poptide library
I I - ROC - SEQUENCE: 13
     His Ard His fle Aig Ard Gin Sei Leu lle Met Leu
1 5 clic - SEG ID No: 13
176 21. LEMOTH: 12
177 - 217 TYPE: PRT
188 21.- ORGANISM: Actiticial Sequence
     CONTRACTORES
181 -225 - OTHER INFORMATION: random peptide library
183 -400 - SEGUENCE: 13
184 Pro Gli Ash Arg Leu Gli Ile Arg Arg His Ser Lys
182
     310 - SEQ ID NO: 14
     .::1: LENGTH. ID

212: TYPP: PPI

213: GRIANISM Arriticial Sequence
195
184
146
     .220 - FEGTURE:
.221 - 1812, 1915 (EDITING Translam perfolik 11/eraty
192
191
1)5 400 - SEQUENCE: 11
I'm Fro Pio His Ash Air The 315 Ard Ash Fou Ash Met
197
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PAIE: 19/20/2000 TIME: 1/:29 53

PATENT APPLICATION US/09/653,182

Imput Set : A:\PTO.txt

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201 | 21.% IYEE: PRT 202 - 213 - OFGANISM: Artificial Sequence 201 - 230 - FEATURE: 20% + 1.43 - OTHER INFORMATION, rendem poptide library 20" + 4... SEQUENCE: 15 208 Ser Met Teu Lys Arg Ash H s Ser Thi Fer Aun Arg 201 211 2100 SEQ ID NO: 16 212 - 211 LENGTH: 12 #11 - F12 TYPE: PRT | B14 - 21s | DRGANISM: Artificial Sequence 216 LTO FEATURE: 218 LTO FEATURE: 218 LTO FIRE INFORMATION: random poptide library 229 100 SEQUENCE 16 Gly Ser Ard His Pro Ser Lou lie lie Pro Ard Slu 221 210 - SEQ ID NO: 17 111 - ESNGIH: 12 212 - TYPE: PRT 213 - PSGANISM: Artificial Sequence 2.26 239 ×230× FEATURE: 270 273 THER INFORMATION random poptide library 23. - 150 - SEQUENCE: 17 241 155 - BRAIDER: 242 - 523 OTHER INFORMATION: rondom poptide library 243 - 155 SECTEMBE: 18 24% Ash Lys Arg Ile Leu Ile Arg Ile Met Thr Arg Fro 218 - 210 - SEQ ID NO: 19 213 - TEGANISM: actennoped a 190 - SEQUENCE: 19 354 And Olm The Lyg The Top The Glin Ash And And And Most Lyg Top Lys Lys 210 - SEU 12 NO - 20 256 211 - LENGTH: 12 li TTE: exl 213 - ORGANISM: Artificial Dequence 260 TO - FEATURE: 2.3 - CHER INFORMATION landom poptible likear, 144 -DE SEUMENCE Ale tro from Len Glo His Gir Ser Asp i to Ale Thi

PATENT APPLICATIONS US/09/653,182

DATE: 09/10/1000 11ME: 1 .19-53

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269 210 - SFQ IP Not 21
200 + 21. + IFNOTH: 11
272 - 212 - TYPE: PRI
273 - 217 - 1145 - 681
273 - 71 - 983ANISM: Luman
275 - 400 - SEQUENCE: 21
276 - Tyr Gly Ard Eye Lus Ard Arg Gin Arg Arg Ard
188 Lys Len Ala Lys Leu Afa Lis-
25.0
291 210 SEQ 10 NO. 23
292 211 LENGTH: 14
393 SH. - TYPE: FPT
294 - 31 - ORGANISM: Artificial Sequesce
296 - 221 - FE4TURE.
297 - 227 - OTHER INFORMATION: random poptide library
259 - 160 - SEQUENCE: 23
 400 Lys Lou Ala Ejs Lou 415 Lys Lou Ala Lys Leu Aia Lys
103
 103 - 210- SPQ 10 NO: 24
##1 - 211 - EDSGTH: 18
:05 - 212 - FEEF: PP1
:06 - 21 - ORGANISM: Artificial Sequence
 -08 - x20 - FEATUPE:
 30 + 22 - OTHER INF PHATION: random poptide library
 .11 - 400 - SEQUENCE: 24
 42^\circ Ard Arg GIn Arg Arg Thr Ser 4/s Lem Mot Lys Arg GIy 31/ Lys Low
                                                10
 14 Ala Lys Len 41a Lys Lys Len Ala Lys Len Ala Lys
                   2.0
     210 - SEQ ID NO:
 :18
      211 LENGIH. 1.
110 M2 TYPE: PRT
120 21 - OPGANISM: Artificial Seguence
     12C - FEATURE:
12C - CTHEP INF PHATIAN fandom populate library
 ar 1935 SE∲UFNAL, 2
327 His Cly Trp Cls Hie Bis Cls Lou Lou His Ard Ala
(한 기타 SEQ HEB), 2*
21 기타 UFNGH: 1:
gain will the ForeFore
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Input Set : A:\PTO.txt
output Set: N:\CRF3\09202000\I653182.raw

Let' M:2.0 co Current Application Number differs. Replaced Current Application No. Let' M:2.1 corrent Filing Date differs, Peplaced Current Filing Late